



Image may be representation.
See specifications for product details.



PIC16F18877-I/PT

Manufacturer Part Number	PIC16F18877-I/PT
Manufacturer	Microchip Technology
Allelco Part Number	32D-PIC16F18877-I/PT
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 8BIT 56KB FLASH 44TQFP
Package	44-TQFP
Data sheet	PIC16(L)F1885x,7x Brief.pdf PIC16(L)F18857,77 Datasheet.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

PIC16F18877-I/PT - Microchip Technology, New Original in Stock. Download Linear Technology PIC16F18877-I/PT datasheet/specifications on AllelcoElec.com.
Request a quote for PIC16F18877-I/PT, please send us email: info@allelco.com

Specifications

PIC16F18877-I/PT Tech Specifications

PIC16F18877-I/PT - Microchip Technology technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Microchip Technology	Oscillator Type	Internal
Voltage - Supply (Vcc/Vdd)	2.3V ~ 5.5V	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package	44-TQFP (10x10)	Number of I/O	36
Speed	32MHz	Mounting Type	Surface Mount
Series	PIC® XLP™ 16F, Functional Safety (FuSa)	EEPROM Size	256 x 8
RAM Size	4K x 8	Data Converters	A/D 35x10b; D/A 1x5b
Program Memory Type	FLASH	Core Size	8-Bit
Program Memory Size	56KB (32K x 14)	Core Processor	PIC
Peripherals	Brown-out Detect/Reset, POR, PWM, WDT	Connectivity	I ² C, LINbus, SPI, UART/USART
Package / Case	44-TQFP	Base Product Number	PIC16F18877
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology PIC16F18877-I/PT

Product Attribute				
Part Number	PIC16F18877-I/PT	PIC16F1933-E/SO	PIC16F18857T-E/SSVAO	PIC16F18857T-I/ML
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Core Processor	PIC	PIC	PIC	PIC
Oscillator Type	Internal	Internal	Internal	Internal
Base Product Number	PIC16F18877	PIC16F1933	PIC16F18857	PIC16F18857
Number of I/O	36	25	25	25
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 125°C (TA)	-40°C ~ 125°C (TA)	-40°C ~ 85°C (TA)
Speed	32MHz	32MHz	32MHz	32MHz
EEPROM Size	256 x 8	256 x 8	256 x 8	256 x 8
Package	Tray	Tube	Tape & Reel (TR)	Tape & Reel (TR)
Data Converters	A/D 35x10b; D/A 1x5b	A/D 11x10b	A/D 24x10b; D/A 1x5b	A/D 24x10b; D/A 1x5b
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
Peripherals	Brown-out Detect/Reset, POR, PWM, WDT	Brown-out Detect/Reset, LCD, POR, PWM, WDT	Brown-out Detect/Reset, POR, PWM, WDT	Brown-out Detect/Reset, POR, PWM, WDT
Series	PIC® XLP™ 16F, Functional Safety (FuSa)	PIC® XLP™ 16F	Automotive, AEC-Q100, PIC® XLP™ 16F, Functional Safety (FuSa)	PIC® XLP™ 16F, Functional Safety (FuSa)
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Voltage - Supply (Vcc/Vdd)	2.3V ~ 5.5V	1.8V ~ 5.5V	2.3V ~ 5.5V	2.3V ~ 5.5V
Supplier Device Package	44-TQFP (10x10)	28-SOIC	28-SSOP	28-QFN (6x6)
Connectivity	I ² C, LINbus, SPI, UART/USART	I ² C, LINbus, SPI, UART/USART	I ² C, LINbus, SPI, UART/USART	I ² C, LINbus, SPI, UART/USART
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Program Memory Size	56KB (32K x 14)	7KB (4K x 14)	56KB (32K x 14)	56KB (32K x 14)
Package / Case	44-TQFP	28-SOIC (0.295", 7.50mm Width)	28-SSOP (0.209", 5.30mm Width)	28-VQFN Exposed Pad
RAM Size	4K x 8	256 x 8	4K x 8	4K x 8

PIC16F18877-I/PT Datasheet PDF

Download PIC16F18877-I/PT pdf datasheets and Microchip Technology documentation for PIC16F18877-I/PT - Microchip Technology.

Datasheets



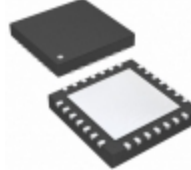






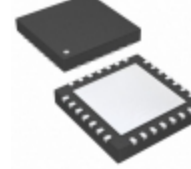
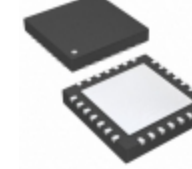







[PIC16\(L\)F1885x,7x Brief.pdf](#)

[PIC16\(L\)F18857,77 Datasheet.pdf](#)

PCN Design/Specification

Customers Also Interested in

Recommended Products

					
PIC16F1933-E/SO	PIC16F18857T-E/SSVAO	PIC16F18857T-I/ML	PIC16F19195-I/PT	PIC16F18876T-I/PT	PIC16F19197T-I/PT
Microchip Technology IC MCU 8BIT 7KB FLASH 28SOIC	Microchip Technology IC MCU 8BIT 56KB FLASH 28SSOP	Microchip Technology IC MCU 8BIT 56KB FLASH 28QFN	Microchip Technology IC MCU 8BIT 14KB FLASH 44TQFP	Microchip Technology IC MCU 8BIT 28KB FLASH 44TQFP	Microchip Technology IC MCU 8BIT 56KB FLASH 64TQFP
					
PIC16F19176-I/PT	PIC16F18857-I/SS	PIC16F18876-E/PT	PIC16F1933-I/ML	PIC16F18857-I/ML	PIC16F19175-E/P
Microchip Technology IC MCU 8BIT 28KB FLASH 44TQFP	Microchip Technology IC MCU 8BIT 56KB FLASH 28SSOP	Microchip Technology IC MCU 8BIT 28KB FLASH 44TQFP	Microchip Technology IC MCU 8BIT 7KB FLASH 28QFN	Microchip Technology IC MCU 8BIT 56KB FLASH 28QFN	Microchip Technology IC MCU 8BIT 14KB FLASH 40DIP
					
PIC16F18875-I/PT	PIC16F1933-E/SS	PIC16F19197-I/PT	PIC16F18875T-I/PT	PIC16F19196-I/PT	PIC16F18876T-I/MV
Microchip Technology IC MCU 8BIT 14KB FLASH 44TQFP	Microchip Technology IC MCU 8BIT 7KB FLASH 28SSOP	Microchip Technology IC MCU 8BIT 56KB FLASH 64TQFP	Microchip Technology IC MCU 8BIT 14KB FLASH 44TQFP	Microchip Technology IC MCU 8BIT 28KB FLASH 64TQFP	Microchip Technology IC MCU 8BIT 28KB FLASH 40UQFN

Shipment

Delivery Time

In-stock items can be shipped within 24 hours. Some parts will be arranged for delivery within 1-2 days from the date all items arrive at our warehouse. And Allelco ships order once a day at about 17:00, except Sunday. Once the goods are shipped, the estimated delivery time depends on the shipping methods and Delivery destination. The table below shows are the logistic time for some common countries.

Delivery Cost

- > Use your express account for shipment if you have one.
 - > Use our account for the shipment. Refer to the table below for the approximate charges.
- (Different time frame / countries / package size has different price.)

Delivery Method

- > Global Common Shipment by DHL / UPS / FedEx / TNT / EMS / SF we support.
- > Others more shipping ways, please get in touch with your customer manager.

Common Countries Logistic Time Reference		
Region	Country	Logistic Time(Day)
America	United States	5
	Brazil	7
Europe	Germany	5
	United Kingdom	4
	Italy	5
Oceania	Australia	6
	New Zealand	7
Asia	India	6
	Japan	7
Middle East	Israel	6

DHL & FedEx Shipment Charges Reference	
Shipment charges(KG)	Reference DHL(USD\$)
0.00kg-1.00kg	USD\$60.00
1.00kg-2.00kg	USD\$70.00
2.00kg-3.00kg	USD\$80.00




Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.
Contact us if you have any questions.

Payment Support



The payment method can be chosen from the methods shown below:
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



Your Faithful Supply Chain Partner -

		
Efficient Supply Management	Cost-Saving Procurement	Fast Sourcing & Delivery

Contact us if you have any questions.

	
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